

IN THE CLAIMS:

1-86. (Cancelled)

87. (Currently Amended) A recording method for recording a first digital stream and first playlist information on a recording medium having a package area using a computer-based recording apparatus, wherein

specifying identifying the package area by a predetermined file path;

5 providing generating, with a generating unit, the predetermined file path to contain disc identification information, the disc identification information indicates, to a playback apparatus, a read-only optical disc to be used in combination with the package area by the playback apparatus to generate a virtual package; and

10 providing, in the [[a]] first playlist information that identifies[[,]] by showing correspondence between a file in the package area and a file on the optical disc, a second digital stream that is recorded on the optical disk and is to be played back in synchronization with the first digital stream, wherein

15 the first playlist information includes information defining a playback path comprising a playback section of the first digital stream and a playback section of the second digital stream, and

the first playlist information is used in place of second playlist information recorded on the optical disc, by the playback apparatus to generate the virtual package, wherein the virtual package is generated by reading information indicating a file layout of the optical disc and performing file replacement to the file layout.

20 the file replacement is to replace a file included in the file layout with a
corresponding file that is (i) contained in the package area and (ii) accessed by a same file name
as that used to access the corresponding file included in the file layout.

88. (Cancelled)

89. (Currently Amended) The recording method according to Claim [[88]] 87,
wherein

 the playback path information included in the first playlist information indicating
a starting point and an ending point of the playback section in the first digital stream in
5 correspondence with a starting point and an ending point of the playback section in the second
digital stream.

90. (Previously Presented) The recording method according to Claim 89, wherein
 the package area includes a program recorded therein, and
 the program shows a procedure for playback control using the second playlist
information recorded on the optical disc or the first playlist information recorded in the package
5 area.

91. (Previously Presented) The recording method according to Claim 87, wherein
 the playback path information included in the first playlist information indicating
a starting point and an ending point of the playback section in the first digital stream in
correspondence with a starting point and an ending point of the playback section in the second
5 digital stream.

92. (Previously Presented) The recording method according to Claim 87, wherein the second digital stream includes video data and audio data and the first digital stream includes audio data.

93. (Previously Presented) The recording method according to Claim 87, wherein the second digital stream includes video data and sub-image data, and the first digital stream includes sub-image data.

94. (Currently Amended) The recording method according to Claim ~~[[88]]~~ 87, wherein the second digital stream includes video data and audio data and the first digital stream includes audio data.

95. (Currently Amended) The recording method according to Claim ~~[[88]]~~ 87, wherein the second digital stream includes video data and sub-image data, and the first digital stream includes sub-image data.

96. (Currently Amended) A playback apparatus for playback of a first digital stream and a second digital stream in synchronization, the playback apparatus comprising:

a mounting unit operable to mount an optical disc to the playback apparatus;

a secondary recording medium that is used in combination with the optical disc;

5 a generating unit operable to generate a package area on the secondary recording medium in such a manner that the package area is specified by a file path containing disc identification information that identifies the mounted optical disc;

a downloading unit operable to download, from a network server into the package area, an update kit used to upgrade the optical disc;

10 a reading unit; and

a playback unit, wherein

the first digital stream is recorded in the optical disc with first playlist information,

the update kit includes the second digital stream and second playlist information,

15 the second playlist information (i) shows correspondence between a file containing the first digital stream on the optical disc and a file containing the second digital stream in the package area, and (ii) includes information defining a playback path comprising a playback section of the first digital stream and a playback section of the second digital stream,

the second playlist information is used, in place of the first playlist information, to
20 create a virtual package,

the reading unit is operable to read, based on the second playlist information included in the update kit, the first digital stream from the optical disc and the second digital stream from the package area, and

the playback unit is operable to execute, with reference to a time stamp attached
25 to data contained in the first digital stream and a time stamp attached to data contained in the second digital stream, playback of the respective pieces of data in synchronization, wherein

the upgrading of the optical disc is to perform file replacement to the file layout of the optical disc,

the file replacement is to replace a file included in the file layout with a
30 corresponding file that is (i) contained in the package area and (ii) accessed by a same file name
as that used to access the corresponding file included in the file layout.

97. (Cancelled)

98. (Currently Amended) The playback apparatus according to Claim [[97]] 96,
wherein

the second playlist information shows (i) correspondence between files in the
package area and files on the optical disc and (ii) a stream identifier identifying one of
5 elementary streams multiplexed into the second digital stream,

the playback unit includes:

a first demultiplexer operable to demultiplex a part of the first digital stream to
obtain a video stream; and

a second demultiplexer operable to demultiplex a part of the second digital stream
10 read by the reading unit to separate the elementary stream identified by the stream identifier
shown by the second playlist information,

the synchronous playback by the playback unit is performed with reference to a
time stamp attached to data included in the video stream and a time stamp attached to data
included in the elementary stream separated from the second digital stream.

99. (Previously Presented) The playback apparatus according to Claim 96, wherein
the second playlist information shows (i) correspondence between files in the
package area and files on the optical disc and (ii) a stream identifier identifying one of
elementary streams multiplexed into the second digital stream,

5 the playback unit includes:

a first demultiplexer operable to demultiplex a part of the first digital stream to obtain a video stream; and

a second demultiplexer operable to demultiplex a part of the second digital stream read by the reading unit to separate the elementary stream identified by the stream identifier
10 shown by the second playlist information,

the synchronous playback by the playback unit is performed with reference to a time stamp attached to data included in the video stream and a time stamp attached to data included in the elementary stream separated from the second digital stream.

100. (Currently Amended) A playback method by a playback apparatus for playback of a first digital stream and a second digital stream in synchronization by a computer having an optical disc mounted thereto and a secondary recording medium used in combination with the optical disc, the playback method comprising the steps of:

5 generating a package area on the secondary recording medium in such a manner that the package area is specified by a file path containing disc identification information that identifies the mounted optical disc;

downloading, from a network server into the package area, as update kit used to upgrade the optical disc;

10 reading, and

playing back, wherein

the first digital stream is recorded in the optical disc with first playlist information,

the update kit includes the second digital stream and second playlist information,
15 the second playlist information (i) shows correspondence between a file
containing the first digital stream on the optical disc and a file containing the second digital
stream in the package area, and (ii) includes information defining a playback path comprising a
playback section of the first digital stream and a playback section of the second digital stream,

the second playlist information is used, in place of the first playlist information, to
20 generate a virtual package,

in the reading step, the first digital stream is read from the optical disc and the
second digital stream is read from the package area both based on the second playlist information
included in the update kit, and

in the playback step, with reference to a time stamp attached to data included in
25 the first digital stream and a time stamp attached to data included in the second digital stream,
the respective pieces of data are played back in synchronization, wherein

the upgrading of the optical disc is to perform file replacement to the file layout of
the optical disc,

the file replacement is to replace a file included in the file layout with a
30 corresponding file that is (i) contained in the package area and (ii) accessed by a same file name
as that used to access the corresponding file included in the file layout.

101. (Cancelled)

102. (Currently Amended) The recording method according to Claim [[88]] 87
wherein

the first digital stream, the second digital stream, the first playlist information, the
second playlist information are each contained in a file recorded in the package area, and the
5 files containing the first digital stream and the first playlist information are each accessed by a
file path containing a file name not included in the file layout of the optical disc.